



NOTE: TRACTS A, B, C, D INCLUDED IN DRILLING UNIT

CERTIFICATE

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Minimum degree of accuracy is one part in 200

Signed Fred A. Radford

COMPANY	RADFORD & FRAME		
ADDRESS	WINFIELD, W. VA.		
FARM	WALTER CLARK		
MAP	ACRES	275+	LEASE NO.
WELL (FARM) NO.	1	SERIAL NO.	
ELEVATION (SPIRIT LEVEL)	982'		
QUADRANGLE	CHARLESTON <i>WC</i>		
COUNTY	KANAWHA	DISTRICT	UNION
POINT OF PROVEN ELEVATION	B. M. AT INT. OF US 35 & BIG TYLER RD. S. E. OF LOC.		
FILE NO.	DRAWING NO.		
DATE	DEC. 1966		
	SCALE 1" = 1000'		

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON
WELL LOCATION MAP
FILE NO. Kan-2091

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. SCALE 1 TO 62,500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.
- DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

MAR 21 1967

Drill Well Newburg



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Chas. NW
Permit No. Kan. 2091

WELL RECORD

Oil or Gas Well GAS
(KIND)

Company Radford & Frame
Address Winfield, W. Va.
Farm Walter Clark Acres 27.5
Location (waters) KB 908
Well No. one Elev GL 982
District Union County Kanawha
The surface of tract is owned in fee by Walter Clark
Mineral rights are owned by Walter Clark
Drilling commenced 1-4-67
Drilling completed 1-12-67
Date Shot From To
Open Flow 17 /10ths Water in 2 Inch
Volume 174 M Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS)
WELL FRACTURED (DETAILS)

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
8 1/2	2544	2544	Depth set
6 3/4			
5 3/16			Perf. top
4 1/2			Perf. bottom
3			Perf. top
2			Perf. bottom
Liners Used			

Attach copy of cementing record.
CASING CEMENTED 8 5/8 SIZE 2544 No. Ft. 1-8-67 Date
Amount of cement used (bags)
Name of Service Co. Well Service Inc.
COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 174 MCF 174000
ROCK PRESSURE AFTER TREATMENT HOURS
Fresh Water Feet Salt Water Feet
Producing Sand Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Shale & R			200	290			
Shale & Sand			290	765			
Sand & Shale			765	930			
Shale & Sand			930	1160			
Shale			1160	1195			
Sand			1195	1285			
Sand & Shale			1285	1395			
Shale & Sand			1395	1685			
Sand			1685	1695	Water inc.		
Shale			1695	1705			
Sand			1705	1805			
Shale			1805	1825			
Big Lime			1825	2020			
Slate & Lime			2020	2030			
Injun			2030	2075	Show Gas, Water		
Shale & Slate			2075	2305			
Shale			2305	2490			
Perea			2490	2505	Show Oil		
Shale			2505	3000			
Shale & Lime			3000	3510			Total Gas
Shale & Shells			3510	4090			
Shale			4090	4920	Gas	4100-4160	73 M
Corniferous			4920	5020	Check Gas		67 M
Criskany Sand			5020	5028	Gas	5020	83 M
Lime & Shale			5028	5250			
Lime, Dol.			5250	5730	Gas	5590	179 M H ₂ S
Newburg Sand			5730	5738	Check Gas		174 M
Lime, Dol. McKenzie			5738	5791	Final Open Flow		174 M

Total Depth 5791

